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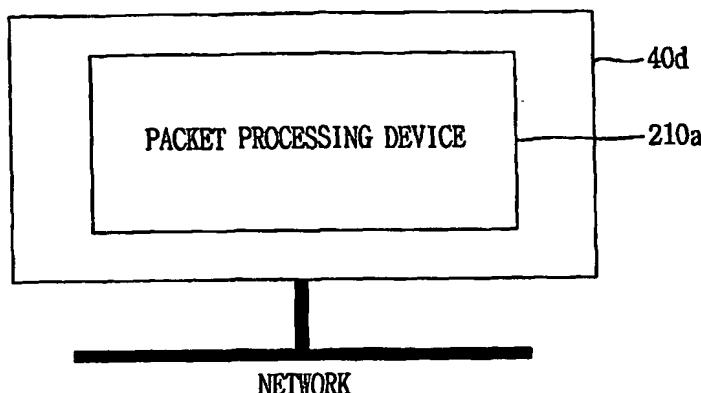
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(54) Title: HOME NETWORK SYSTEM



(57) Abstract: The present invention discloses a home network system using a living network control protocol. The home network system includes: an electric device (40d) having at least two heterogeneous function means; a network based on a predetermined protocol; and a network manager for controlling and/or monitoring the electric device (40d) through the network, the electric device (40d) including a packet processing device (210a) having one node address provided by the network manager, generating a packet having the node address, transmitting the packet to the network manager, receiving the packet having the node address from the network manager, and enabling the

heterogeneous function means corresponding to a command included in the packet to execute the command.

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR 2004/001150

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup>: H04L 12/56, 29/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
WPI, EPODOC, PAJ, Elsevier, IEE, I3E, IEEEXplore

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Koon-Seok Lee, Hoan-Jong Choi, Chang-Ho Kim, Seung-Myun Baek, 'A new control protocol for home appliances-LnCP.' In: International Symposium on Industrial Electronics, 2001. Proceedings. ISIE 2001. 12-16 June 2001 pages: 286 - 291 volume 1  --	1-32
X	US 2003/0043845 A1 (LIM et al.) 6 March 2003 (06.03.2003) figs. 2,3, paragraphs 15, 19, 27, 29-35.  ----	1-32

Further documents are listed in the continuation of Box C.

See patent family annex.

- \* Special categories of cited documents:  
 "A" document defining the general state of the art which is not considered to be of particular relevance  
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US A 20030043 845		none none	